

## Technical Report TSR# EX112018-0920

<b>Date Submitted</b>	09/20/2018
<b>Customer Name</b>	Superior Products Int.
<b>Customer contact</b>	J.E. Pritchett
<b>Customer Address</b>	10835 West 78th Street, Shawnee, KS 66214
<b>Customer Phone Number</b>	913-962-4848
<b>Customer Email</b>	<a href="mailto:jepritchett@spicoatings.com">jepritchett@spicoatings.com</a>
<b>Sales Representative</b>	Tom Hilton & Tim Slominski

**Objective:** ASTM B117 Neutral Salt Fog Resistance Test

**Materials:** Three panels of HPC HT (hot pipe coating high temperature).

**Procedure:** Run ASTM B117 neutral salt fog resistance test on panels applied by customer.

**Results:** Table 1 shows the results of testing

Panels ID	Hrs. exposure	Rust in field	Other types of damage
1	1,000	None	None
2	1,000	None	None
3	1,000	None	None
1	3,200	None	None
2	3,200	None	None
3	3,200	None	None
1	6,600	None	None
2	6,600	None	None
3	6,600	None	None
1	10,000	None	None
2	10,000	None	None
3	10,000	None	None
1	15,000	None	None, rust on bottom edge of panel
2	15,000	None	None, rust on bottom edge of panel
3	15,000	None	None, rust on bottom edge of panel

**Conclusion:** Overall the panels show excellent corrosion resistance, no sign of rust that coming from under coating except bottom edge of panels.



**Report prepared by:**

Oleg Afanasyev, PhD,  
Technical Service Laboratory Manager  
Hall Technologies Inc.  
Data: 2/13/20

cc: Tim Slominski  
Mark Loudenslager  
Jeff Laurent  
Chris Sexton

**Disclaimer**

*All information is given to the best of Hall Technologies Inc. knowledge and is believed to be accurate. Your conditions of use and application of the suggested products and recommendations are beyond our control. There is no warranty regarding the accuracy of any given data or statements. Hall Technologies specifically disclaims any responsibility or liability relating to the use of the suggested products and recommendations and shall under no circumstances whatsoever, be liable for any special, incidental or consequential damages which may arise from such use.*

ID	Initial	15,000 hrs.
1	 A rectangular sample of a porous, fibrous material, appearing light beige or off-white, mounted on a white background. A small black mark is visible in the upper left corner of the sample.	 The same rectangular sample as in the initial image, but after 15,000 hours. The material has become significantly darker, appearing greenish-grey, and shows signs of degradation and discoloration, particularly at the bottom edge.

